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四川凤仙花属六新种*

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SIX NEW SPECIES OF IMPATIENS FROM SICHUAN

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关键词 侧穗凤仙；波缘凤仙；太子凤仙；贝苞凤仙；菱叶凤仙；直喙凤仙
Key words *Impatiens lateristachys*; *I. undulata*; *I. alpicola*; *I. conchibracteata*; *I. rhombifolia*; *I. rectirostrata*.

侧穗凤仙 新种 图1

Impatiens lateristachys Y. L. Chen et Y. Q. Lu, sp. nov.

I. faberi Hook. f. in Kew Bull. Misc. Inf. 269—274, 1910 p. p.

Haec species *I. imbecillae* Hook. f. et *I. faberi* Hook. f. promixa, a primo inflorescentibus 3—5-floris, floribus majoribus, ad pedunculos unilaterale dispositis; a secundo sepalis minoribus subulatis, calcaribus erectis, lobo basali minore et auriculi filo robusto longoque differt.

Herba annua 40—100 cm alta glabra; caulis ramosus. Folia alterna, sessilia vel breviter petiolata; lamina late lanceolata, 0.5—1.5 dm longa, ad 6 cm lata, apice caudata, basi acuminata, glandula stipitata, margine serrata, utrinque parce pilosa, nervis utrinque 6—8. Pedunculi 10—12 cm longi, 3—6-semper 5-flori, ad pedunculum in racemum unilaterale dispositi; pedicelli 1.4—2.0 cm longi, fructiferi paullo longiores, basi unibracteati, bracteis subulatis circ. 2 mm longis. Flores 1.5—2 cm expansi, 3 cm longi, rosei, dilute rosei vel albi. Sepala 2, subulata, 2 mm longa, basi truncata, 3-nervia. Vexillum 1.5—1.8 cm latum, apice emarginatum mucronatum, basi profunde bilobum, costa dorso anguste alata, 2-cornuta. Alae 2.5—3 cm longae, subsessiles lobus basalis rotundatus, 4—5 mm latus, di-

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* 引证标本的标本室名称缩写：四川林业科学研究所SF；其余同植物分类学报20（2）。

stalis major, dolabriformis, ad 1 cm latus, infra apicem saepe excisus; auticula dorsalis in filum 1—1.5 mm latum, 1—1.3 cm longum, calcare labelli inclusum attenuata. Labellum corniforme, 2.5—3 cm longum, ore ascendente obtuso, ad 1.4 cm lato, basi in calcar erectum, robustum, angustatum. Filamenta brevia, complanata. Antherae subacutae. Ovarium clavatum. Capsulae clavatae, maturitate 3 cm longae, 5—7-spermae. Semina ovato-oblonga, 3 mm longa, 2 mm lata, nigra.

Sichuan (Mt. Omei) (四川峨眉山) Yanwang Pou (阎王坡), Aug. 16, 1956, Tao Yu-Hui (陶玉辉) 51501(PE); Baiyan Wan (白岩湾) Oct. 7, 1956, Li Guo-Feng (李国风) 52494 (SZ); Baiyun Si (白云寺), Aug. 5, 1957, Yang Guang-Hui (杨光辉) 56434 (PE); Zhuantian Pou (钻天坡), Aug. 27, 1977, Chen Yi-Lin (陈艺林) et Zhou Pan-Kai (周邦楷), 3 (PE); Leidong Ping (雷洞坪), Aug. 12, 1987, Chen Yi-Lin (陈艺林), 8709 (PE); ibid. Sept. 15, 1987, Lu Ying-Qing (鲁迎青) 88155 (TYPUS, PE).

一年生草本，高40—100 cm，无毛；茎多分枝。叶互生，无柄或具短柄，叶片宽披针形，长0.5—15cm；宽达6 cm，顶端尾尖，基部渐尖，有具柄腺点，边缘锯齿，两面被疏毛，侧脉6—8对。总花梗长10—20cm，3—6花，常5花。在花序柄上呈一侧的总状花序排列；花柄长1.4—2.0cm，果期稍长，基生一枚苞片，苞片钻形，约长2 mm。花宽1.5—2.0cm，长3 cm，红色、浅红色或白色。萼片2枚，钻形，长2 mm，基部截平，3脉。旗瓣宽1.5—1.8cm，顶端下凹，具钝尖头，基部深二裂，背部中脉具狭翅，翅具2角。翼瓣长2.5—3 cm，近无柄，基部裂片圆形，宽4—5 mm，上部裂片较大，斧形，宽达1 cm，顶端下常具缺刻，背耳呈线形，长1—1.3 cm，宽1—1.5mm，插入距内。唇瓣角状，长2.5—3 cm，口部斜钝，宽达1.4cm，距直，粗。花丝短，扁平。花药近尖。子房棒形，成熟时长3 cm，具5—7枚种子，种子卵圆形，长3 mm，宽2 mm，黑色。

本种因具伸入距内线状耳而与*I. imbecilla*和*I. faberi*两种很接近。但不同在于具3—5花的一侧总状花序。在Hooker的原始描述中指出*I. faberi*最初由Faber采自峨眉山的标本仅具2花，距弯曲，而后采自"Washan"的标本为多花，距直。由于两者旗瓣形态相似，及均有线状耳而被视作一种。Hooker认为该种可能包含了两种。野外观察及实验室工作均证实原种确包含了两种。按Hooker先引证的Faber标本，*I. faberi*应为原始描述中2花的种，本种应另列出作为一个独立的种无疑。

波缘凤仙　新种　图2

Impatiens undulata Y. L. Chen et Y. Q. Lu, sp. nov.

Species habitu *I. notolophae* Maxim. similis, sed a qua foliis superioribus sessilibus, basi rotundatis vel leviter cordatis, margine undulatis vel inconspicue crenatis; floribus 1—3, antheris acutis capsulis oligospermis facile differt.

Herba annua, 40—100 cm alta, glaberrima. Caulis erectus superne ramosus. Folia alterna, inferiora petiolata, superiora sessilia; lamina ovata vel ovato-rotundata,

2—7 cm longa, 1.5—5 cm lata, apice obtusa, basi rotundata, truncata vel cordata, margine undulata vel obscure crenata, supra canoviridia, subtus pallide viridia, nervis utrinque 6—7. Pedunculi axillares 1.4—1.6 cm longi, saepe velut hypophylli, 1—3-flori. Pedicelli tenues, 6—7 mm longi, sub medium bracteas subulatas gerentes. Flores flavi, parvi, 1 cm expansi, ad 2 cm longi. Sepala 2, parva, ovato-rotundata, 2—3 mm longa, 2 mm lata, flava, in sicco brunnea. Vexillum subrotundatum, 3—5 mm latum apice rotundatum, basi truncatum, costa dorso carinata, carino 1—1.5 mm lato, viridi. Alae subsessiles, 1.2 cm longae, lobus basalis parvus distalis major, dolabriformis, dorso infra apicem excisus; auricula dorso angusta. Labellum hypocrateriforme, circ. 2 cm longum, ore subhorizontale obtuso, calcare gracile, apice incurvo limbo multo longius. Filamenta brevia, 1—1.5 mm longa. Antherae acutae. Capsulae fusiformes, 1.5—1.8 cm longae, oligospermae. Semina ovata, circ. 3 mm longa, 2 mm lata, subnigra.

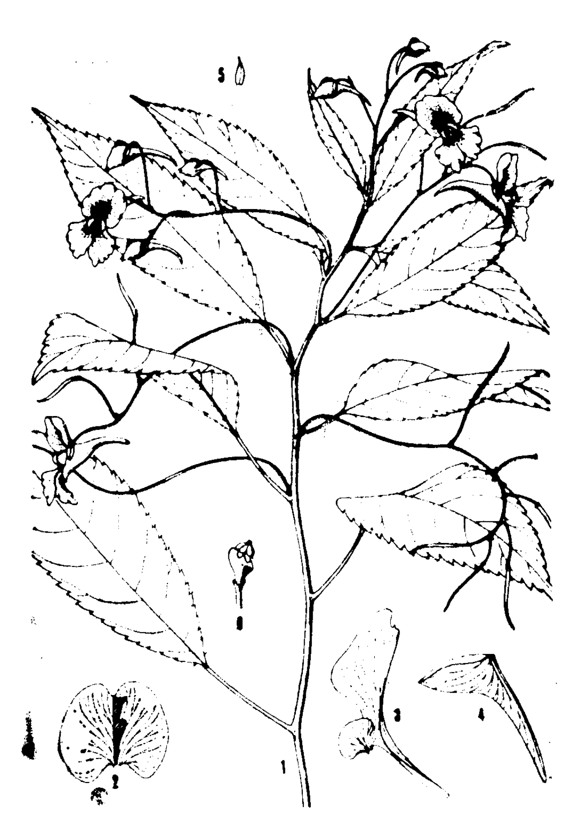


图 1 侧穗凤仙 *Impatiens lateristachys* Y. L. Chen et Y. Q. Lu

1.植株; 2.旗瓣; 3.翼瓣; 4.唇瓣; 5.萼片; 6.雄蕊。(张泰利绘)



图 2 波缘凤仙 *Impatiens undulata* Y. L. Chen et Y. Q. Lu

1.植株; 2.旗瓣; 3.翼瓣; 4.唇瓣; 5.萼片; 6.雄蕊。(张泰利绘)

Sichuan (四川): Mt. Omei (峨眉山), 1936, Zheng Wan-Jun (郑万钧) 6651 (SZ); Sept. 1952, Xiong Ji-Hua et al (熊济华等) 32602, 32325 (SF); Tang

Peng-Zi (唐蓬子), Aug. 8, 1956, Tao Yu-Hui (陶玉辉) 51381(SZ); Chu Dian (初殿), Aug. 16, 1964, Guan Ke-Jian (关克俭) et al. 1490 (CDBI); Zhuantian Puo (钻天坡), Chen Yi-Lin (陈艺林) et Zhou Pan-Kai (周邦楷) 7 (PE); Xiang Feng Si (仙峰寺), Chen Yi-Lin (陈艺林) et Lu Ying-Qing (鲁迎青) 87241(TYPUS, PE).

草本一年生，高40—100 cm，极光滑无毛。茎直立，上部多分枝。叶互生，在下部有叶柄，在上部无叶柄，叶片卵形或卵圆形，长2—7 cm，宽1.5—5 cm，顶部钝，基圆、截平或心形，边缘波形或钝圆齿，上表面灰绿色，下表面淡绿色，侧脉6—7对。总花梗腋生，长1.4—1.6 cm，常看似叶下生，1—3花。花柄细，长6—7 mm，近中部具一钻状苞片，花黄色，小，宽达1 cm，长可达2 cm。萼片2枚，小，卵圆形，长2—3 mm，宽2 mm。黄色，干时变褐色。旗瓣近圆形，宽3—5 mm，顶部圆，基部截平，背部中脉龙骨状突起，突起宽1—1.5 mm，绿色。翼瓣近无柄，长1.2 cm，基部裂片小，上部裂片大，斧形，顶端下背部有缺刻，背耳狭。唇瓣高脚碟形，长近2 cm，口部近水平，钝，距细，顶部卷曲比檐部长得多。花丝短，1.0—1.5 cm长。药锐尖。蒴果纺绎形，长1.5—1.8cm，近黑色。

本种接近*I. notolopha* Maxim，但具1—3花，药尖，种子少，叶基部圆形或微心形与后者区别。

太子凤仙　新种　图3

Impatiens alpicola Y. L. Chen et Y. Q. Lu, sp. nov.

Species haec habitu *I. rostellatae* Franch. similis, sed floribus (2) 3—4, majoribus, vexillo minore, alarum lobis basalibus minoribus obliquis, antheris minutis bene differt.

Herba annua, 20—30 cm alta, glabra. Caulis romosus. Folia alterna, petiolis brevibus, ad 2 cm longis; lamina ovato-oblonga, 2—4 cm longa, 1—2 cm lata, apice acuta, basi anguste cuneata, glandula stipitata, margine grosse serrata, mucronata, utrinque glabra, nervis lateralibus 5-paribus. Pedunculi numerosi, 1.5—2.0 cm longi, (2) 3—4 flori, pedicellis gracilibus, circ. 1 cm longis, basi unibracteati, bracteis subulatis. Flores citrini, 1.5 cm expansi, 1.8 cm longi. Sepala 2, parva, viridia, 2.5 mm longa, 2 mm lata, basi truncta vel leviter intrusa. Vexillum parvum, ovato-rotundatum, 5 mm longum, 4 mm latum, costa dorso gibbosa viridi. Alae sessiles 1.8 cm longae; lobus basalis parvus, oblique ovatus, circ. 4 mm longus, 2—3 mm latus, distalis late dolabriformis, dorso infra apicem excisus, auricula dorso vel inconspicua. Labellum oblique infundibulare, 1 cm longum, basi in calcar gracile incurvum attenuatum, ore horizontale subobtuso, ad 0.8(0.9)cm latum. Antherae minimae, obtusae. Filamenta longa complanata. Ovarium erectum, gracile. Capsulae fusiformes oligospermae, vulgo 4—5 seminis. Semina circ. 3 mm longa, 1.5 mm lata, anguste ovata, papillata, nigra.

Sichuan (四川): Mt.Omei (峨眉山), 2800—2900 m alt. humidis, Sept.

15, 1987, Lu Ying-Qing（鲁迎青）et Gue Qing（郭青）88151; ibid. Lu Ying-Qing（鲁迎青）871600, 871611, 871612（TYPUS, PE）.

一年生草木，高20—30 cm，无毛。茎多分枝。叶互生，叶柄短，长可达2 cm，叶片卵状椭圆形，长2—4 cm，宽1—2 cm，顶端锐尖，基部狭楔形，有具柄小腺，边缘粗锯齿，有小尖头，两面无毛，侧脉5对。总花梗多数，1.5—2 cm长，（2）3—4花，花柄细，长约1 cm，基生一苞片，苞片钻形。花黄色，宽1.5cm，长1.8cm。萼片2枚，小，绿色，长2.5 mm，宽2 mm，基部楔形或稍凹陷。旗瓣小，卵圆形，长5 mm，宽4 mm，背部中脉单峰状突出，绿色。翼瓣无柄，长1.8 cm，基部裂片小，斜卵状，长约4 mm，宽2—3 mm，上部裂片宽斧形，顶端下背部具缺刻，背耳无或不明显。唇瓣斜漏斗形，长1 cm，基部渐尖为细长弯曲的距，口部平展，稍钝，宽达0.8（0.9）cm。花药小而钝。花丝长而扁平。子房直立，细。蒴果纺缍形，种子少数，常4—5枚。种子长约3 mm，宽1.5 mm，狭卵形，有突起，黑色。

本种与*I. rostellata* Franch.相似，但花较大，常3（-4）花，旗瓣相对小，基部裂片及花药均微小，可以区别。

贝苞凤仙　新种　图4

Impatiens conchibracteata Y. L. Chen et Y. Q. Lu, sp. nov.



图3　太子凤仙 *Impatiens alpicola* Y. L. Chen et Y. Q. Lu
1.植株；2.旗瓣；3.翼瓣；4.唇瓣；5.萼片；6.雄蕊；7.子房。（张泰利绘）

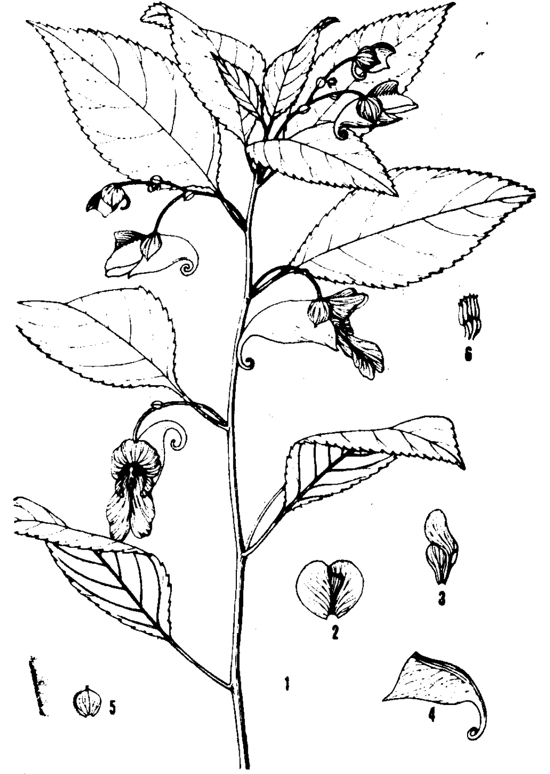


图4　贝苞凤仙 *Impatiens conchibracteata* Y. L. Chen et Y. Q. Lu
1.植株；2.旗瓣；3.翼瓣；4.唇瓣；5.萼片；6.雄蕊。（张泰利绘）

Species haec habitu *I. duclouxii* Hook. f. similis, a qua floribus paucis 1—2(3)-floris, sepalis minoribus, foliis supra conspicue pilosis differt.

Herba annua 30—60 cm lata. Caulis erectus, ramosus. Folia alterna, petiolis 1—2 cm longis; laminae ovato-oblongae, supra pilosae, 5—8 cm longae, 2—3 cm latae, apice acuminatae, basi acutae vel subrotundatae, glanduliferae, margine serratae, mucronatae, nervis lateralibus utrinque 5—7. Pedunculi 1—1.5 cm longi, 1—3 flori, saepe 1 flore aborto; pedicelli 2 cm longi, basi unibracteae, bracteis 3 mm longis, conspicuis, persistentibus, arcuto-rotundatis vel conchiformibus, apice mucronulatis. Flores magni, flavi, ad 2 cm expansi, 3.5 cm longi. Sepala 2, rotundata, 6—7 mm lata, in sicco brunnescentia. Vexillum subrotundatum, 1—1.2 cm latum, costa dorso medio rostellato-exserta. Alae stipitatae, 2.7 cm longae; lobus basalis rotundatus, 9 cm latus, distalis late dolabriformis, major; auricula dorso semirotundata, inflexa. Labellum profunde saccatum, basi in calcar breve, incurvum, abrupte contractum, ore ascendente, subacuto. Antherae magnae, ovoideae. Filamenta circ. 5 mm longa, complanata. Ovarium erectum, clavatum. Capsulae clavatae, ad 2—2.5 cm longae, 3—5-spermae. Semina subglobosa, 2 mm in diameter, brunneo-nigra.

Sichuan（四川）: Mt. Omei（峨眉山）, Sept. 1952, Xiong Ji-Hwa et al（熊济华等）32531 (SF); Aug. 16, 1987, Chen Yi-Lin（陈艺林）et Lu Ying-Qing（鲁迎青）87167, 87176, 871763 (TYPUS, PE).

一年生草本，高30—60 cm。茎直立，多分枝。叶互生，叶柄长1—2 cm；叶片卵状椭圆形，上面被毛，长5—8 cm，宽2—3 cm，顶部渐尖，基部锐尖或近圆形，有具柄小腺，边缘锯齿，有小尖头，侧脉5—7对。总花梗长1—1.5 cm，1—3花，其中一花常败育；花柄长2 cm，基生一苞片，苞片长3 mm，缩存，明显，拱圆或贝壳状，顶部有小尖头。花大，黄色，宽达2 cm，长3.5 cm。萼片2枚，圆形，宽6—7 mm，干时褐色。旗瓣近圆形，宽1—1.2 cm，在背部中脉的中部有喙状突起。翼瓣具柄，长2.7 cm，基生裂片圆形，宽9 cm，上部裂片宽斧形，大；背耳半圆形，反折，唇瓣深囊状，基部收缩为短而弯曲的距，口部斜升，近锐尖，药大，卵圆形。花丝长约5 mm，扁平。子房直立，棒状。蒴果棒形，长达2—2.5 cm，具3—5枚种子。种子近圆形，直径2 mm，褐黑。

本种与*I. duclouxii* Hook. f. 接近，但花少数，1—3枚，萼片较小，叶上面具毛可以区别。

菱叶凤仙 新种 图5

Impatiens rhombifolia T. Q. Lu et Y. L. Chen, sp. nov.

A ceteris species omeiensis congenericis sepalis parvis, alarum lobis basalis magnis, distalis fere aequalibus, calcare gracili sub anthesi patente, costa dorso vix incrassata differt. *I. procumbenti* Franch. similis, sed foliis rhombiformis a hac discrepat.

Herba annua 20—30 cm alta, glaberrima, laevis, sarmentosa. Caulis repens,

simplex. Folia alterna, petiolis brevis; lamina rhombiformis vel subrhombiformis 2—5 cm longa, 1.2—1.6 cm lata, apice acuminata vel acuta, basi cuneata, glandulis stipitatis, margine serrata, nervis utrinque 5—6, utrinque glabra. Pedunculi 2—3 cm longi, glabri in axilla foliorum superiorum solitarii saepe biflora. Pedicelli tenues 1 cm longi, basi unibractealati; bractea subulata, circ. 3 mm longa, 1—1.5 mm lata. Flores flavi valgo ranunculini, ad 1.5 cm expansi. Sepala 2, parva, ovato-rotundata, apice acuta, flavi-viridia. Vexillum magnum, 1.5 cm latum, 1.3 cm longum, apice aliquanto biloba rotundate, inter lobos mucronatum, basi intrusum. Alae 1.8 cm longae, lobus basalis rotundatus, 6—7 mm longus, spadiceo-punctatus, distalis dolabriformis, dorso infra apicem saepe excisus; auricula dorsalis angusta, inflexa. Labellum 2 cm longum, limbo scaphiformi, ore horizontaliter obtuso, basi calcar gracile, longum, sub anthesi patens, rectum, gerente; Filamenta gracillis. Antherae subacutatae. Ovarium longe fusiforme, rectum, acutum. Capsulae linearia, 2 cm longae, oligospermae. Semina minuta, ovoideo-globosa, circ. 2 mm longa, 1.5 mm lata, brunnea.

Sichuan (四川), Mt. Omei (峨眉山): Longmen Dong (龙门洞), Nov. 6, 1941, Zhou Chen-Le (周承烈) 4962 (SZ); Fuhu Shi (伏虎寺), Oct. 27, 1942, Zhou Chen-Le (周承烈) 7160 (SZ); Wannian Shi (万年寺), Nov. 5, 1952, Xiong Ji-Hua et al (熊济华等), 33487 (SZ); Lianhua Yian (莲花庵), Nov. 10, 1952, Xiong Ji-Hua et al. (熊济华等) 33574 (SF); Leiying Shi (雷音寺), Oct. 24, 1956, Li Guo-Feng (李国风) 52910 (SZ); Bailong Dong (白龙洞), Sept. 18, 1987, Lu Ying-Qing (鲁迎青) 891 (TYPUS, PE)

一年生草本，高20—30 cm，光滑无毛，具匍匐生根茎。茎不分枝。叶互生，具短柄；叶片菱形或近菱形，长2—5 cm，宽1.2—1.6cm，顶端渐尖或锐尖，基部楔形，具有柄小腺，边缘锯齿，侧脉5—6对，两面无毛。总花梗长2—3 cm，光滑，在上部叶腋内单生，常2花。花柄细，长1 cm，基生一苞片，苞片钻形，长约3 mm，宽1—1.5 mm。花黄色，常为毛茛黄，宽达1.5cm，萼片2枚，小，卵圆，顶端锐尖，黄绿色。旗瓣大，圆形，宽1.5 cm，长1.3 cm，顶部微两裂，裂片间有小微尖头，基部凹陷。翼瓣长1.8 cm，基部裂片圆。长6—7 mm，具枣红色斑点，上部裂片斧状，顶端下背部常有缺刻，背耳狭，反折。唇瓣长2 cm，檐部舟形，口部平展而钝，距细长，花时开展变直，花丝细。花药微尖。子房长纺缍形，直，锐尖。蒴果线形，长2 cm，少种子。种子小，卵球形，褐色，长约2 mm，宽1.5 mm。

本种不同于峨眉山其它凤仙花在于萼小，翼瓣两裂片近相等，花期时距变直，而蕾期距卷曲。形态上接近*I. procumbens* Franch.，但叶为菱形。

直喙凤仙 新种 图6

Impatiens rectirostrata Y. L. Chen et Y. Q. Lu, sp. nov.

Species habitu et flore *I. rostellata* Franch. similis, a qua floribus majoribus purpureis, vexilli costa dorso ad medium cristata, crista distincte rostrata, recta,

viridi, calcare pallide, valde incurvum sepalis late lanceolatis facile differt.

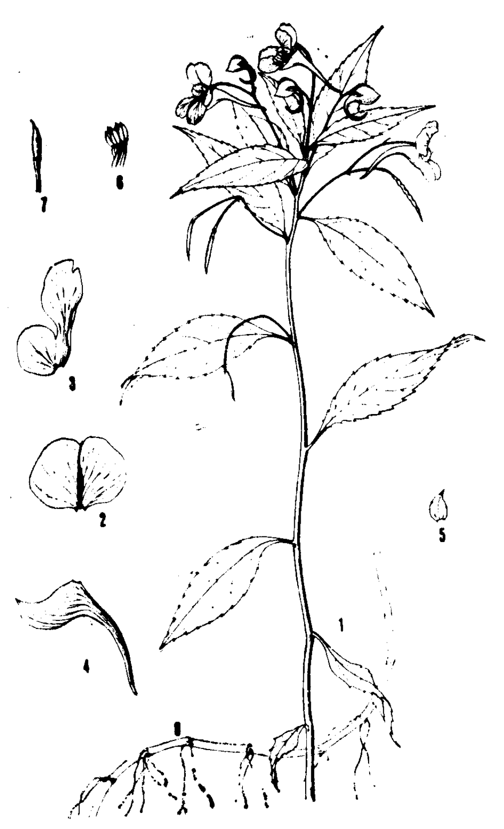


图5 菱叶凤仙 *Impatiens rhombifolia* Y. Q. Lu et Y. L. Chen

1.植株；2.旗瓣；3.翼瓣；4.唇瓣；5.萼片；6.雄蕊；7.子房；8.根状茎。（张泰利绘）

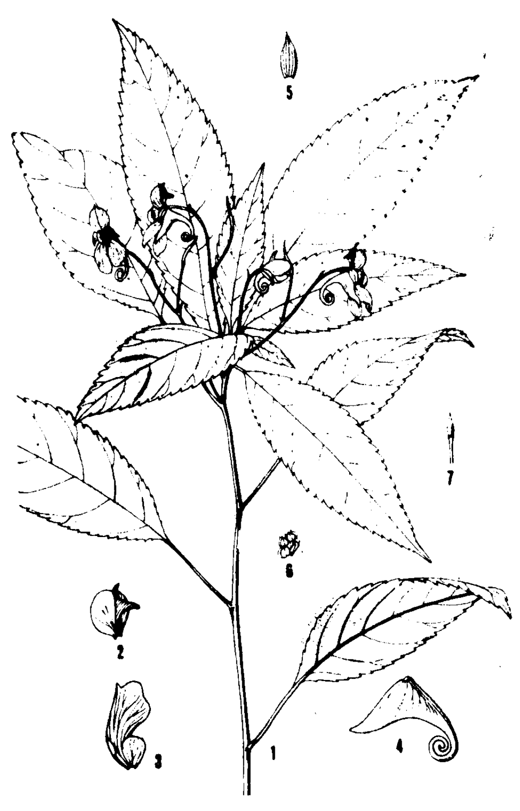


图6 直喙凤仙 *Impatiens rectirostrata* Y. L. Chen et Y. Q. Lu

1.植株；2.旗瓣；3.翼瓣；4.唇瓣；5.萼片；6.雄蕊；7.子房。（张泰利绘）

Herba annua, 30—50 cm alta, glaberrima. Caulis erectus vel ad basin procumbens, superne ramosus, nodis inferioribus dilatatis. Folia alterna, petiolis 2—5 cm longis; laminae ovatae, apice acuminatae, basi acutae vel attenuatae, ad 10—14 cm longae, 5 cm latae, supra viridia, subtus pallide viridia, utrinque glabra, margine serratae, setulis; nervi utrinque 5—7, arcuati. Pedunculi axillares, solitarii, 2—5 cm longi, 2—3-flori; pedicelli tenues, 1.0—1.2 cm longi, basi unibracteati; bractea oblongi-ovata, 5—6 mm longa, 2—3 mm lata, 3-nervia. Flores purpurei ad 1.2—1.4 cm expansi. Sepala 2, ovata, 0.6—0.8 cm longa, acuta. Vexillum orbiculare, purpreum, 6 mm latum, prope apicem mucronatum; costa dorso ad medium in rostellum clavatum, erectum, viride, elevata. Alae 1.3 cm longae; lobus basalis parvus, rotundatus, pallidus, distalis major, purpureus, dolabriformis, dorso infra apicem excisus; auricula dorso angusta, inflexa, Labellum 1.4—1.5 cm longum,

limbo cymbiformi, purpurco, basi in calcar gracile, pallidum, valde incurvum, attenuatum, ore horizontaliter obtuso. Antherae acutae; filamenta gracilia. Ovarium rectum, fusiforme. Capsula ignota.

Sichuan (四川), Guan Xian (灌县): Tianshi Dong (天师洞), Aug. 7, 1987, Chen Yi-Lin (陈艺林) et Y. Q. Lu (鲁迎青) 8711, 8770 (TYPUS, PE).

一年生草本，高30—50 cm，光滑。茎直立或基部匍匐状，上部多分枝，下部的节上膨大。叶互生，叶柄长 2 — 5 cm；叶片卵形，顶部渐尖，基部锐尖或渐尖；长可达10—14 cm，宽 5 cm，上面绿色，下面浅绿，两面无毛；边缘锯齿，有小囊状体，侧脉 5 — 7 对，拱弯。总花梗单个腋生，长 2 — 5 cm，2 — 3 花；花柄细，长1.0—1.2 cm，基生一苞片；苞片倒椭圆状卵形，长 5 — 6 mm，宽 2 — 3 mm，3 脉。花紫色，宽可达1.2—1.4 cm。萼片 2 枚，卵形，0.6—0.8 cm长，有尖头。旗瓣圆形，紫色，宽 6 mm，近顶端有小钝头；背部中脉之中部有棒状、直而绿色的喙突，翼瓣长1.3 cm，基部裂片小，钝圆形，白色，上部裂片较大，紫色，斧状，顶部下背处有缺刻。背耳狭，反折。唇瓣长1.4—1.5 cm，檐部船形，紫色，基部渐尖为细长，十分卷曲而白色的距，口部平展而钝。药锐尖；花丝细长。子房直，纺缍状，果实未见。

本种与*I. rostellata* Fransh.相近，不同在花紫色，较大，旗瓣中脉的中部喙状突起，喙直，绿色，距白色卷曲多次，萼片宽披针形，易于区分。